Name:	DAT	E:	_PERIOD:	
GEOMETRY – CHAPTER 3 REVIEW				Homework

Show all set up and work to earn full points.

For problems 1-4, use the diagram to the right to:

A) Identify one set of each angle type, and

B) Name the lines and transversal.

1. Corresponding angles

2. Alternate Interior angles

3. Same-side Interior angles

4. Alternate Exterior angles





Use the diagram at the right to complete problems 8-11. Justify your answer.

8. *m*∠*CDB*

9. *m∠CBD*

10. *m∠BAD*

11. *m∠ADB*



9

12. Solve for x and determine the measure of each angle.



For problems 13-15, $l \parallel m$, name the relationship between the angles, and solve for x.



16. Determine the slope of \overrightarrow{AB} , where A(-8,3) and B(1,2)

17. Write the equation of the line perpendicular to y = -2x - 8 through the point P(-8,4)

18. Write the equation of the line parallel to $y = -\frac{3}{2}x - 4$ through the point R(-6,2)

For problems 19-21, determine whether \overleftrightarrow{AB} and \overleftrightarrow{CD} are parallel, perpendicular, or neither.

19. A(-1, -4), B(2,11)**20**. A(-3,3), B(0,2)C(1,1), D(4,10)C(1,3), D(-2, -6)

21. Explain, step-by-step, how to construct a set of parallel lines.